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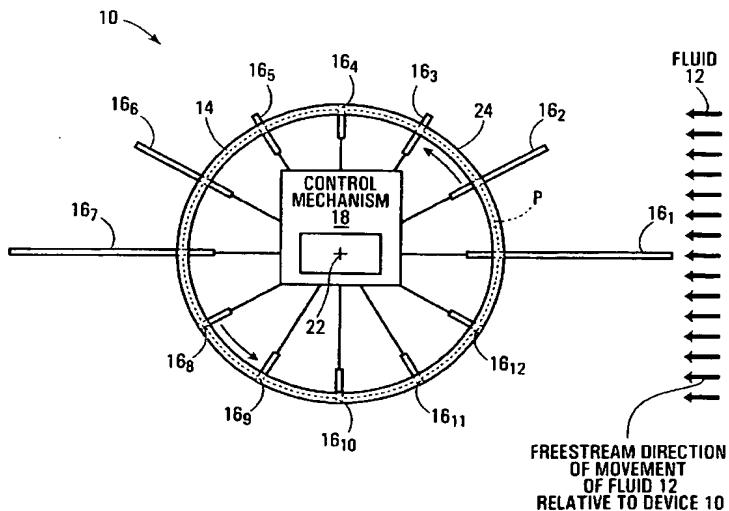
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(54) Title: DEVICE FOR INTERACTING WITH A FLUID MOVING RELATIVE TO THE DEVICE AND VEHICLE INCLUDING SUCH A DEVICE



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(57) Abstract: A device (10) for interacting with a fluid (12) moving relative to the device. The device comprises a body with an axis of rotation (22) and a periphery (24). The body is rotatable about the axis of rotation. The device also comprises a plurality of vanes (16) associated with the body. Each one of the plurality of vanes is movable between an extended position relative to the periphery of the body and a retracted position relative to the periphery of the body. The device further comprises a control mechanism (18) coupled to the plurality of vanes for selectively moving each one of the plurality of vanes between the extended position and the retracted position during rotation of the body. A vehicle and a stationary energy generator including a device as described above are also provided.